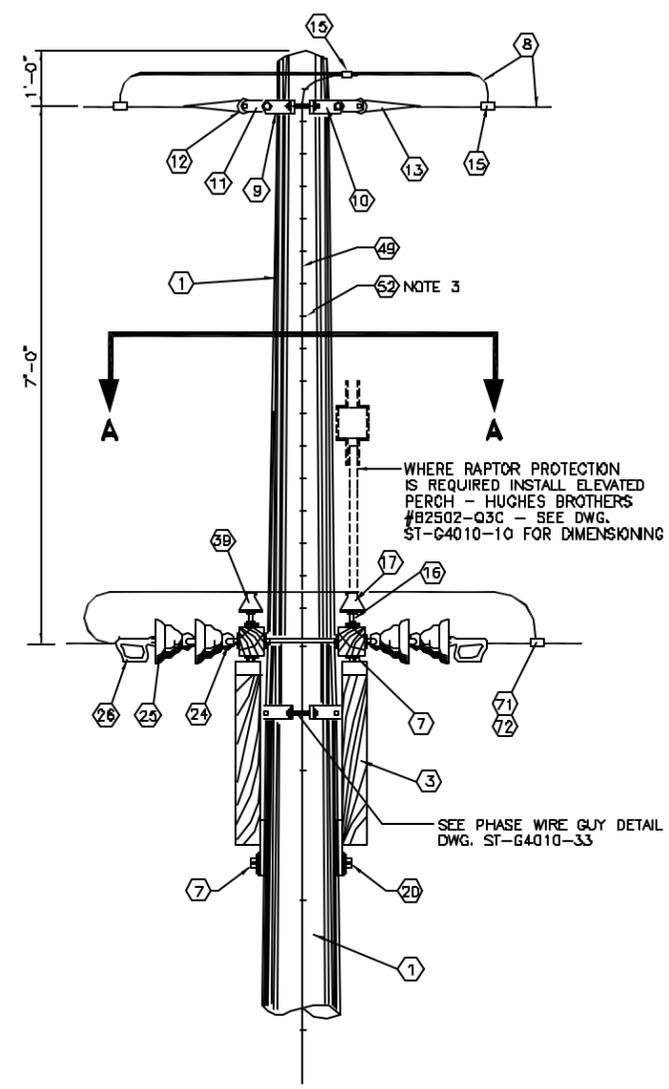
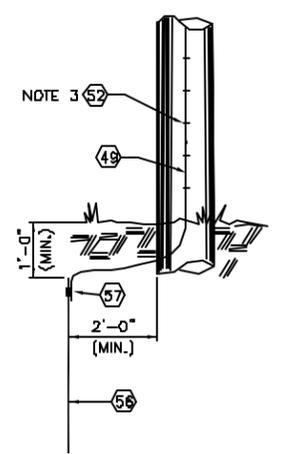
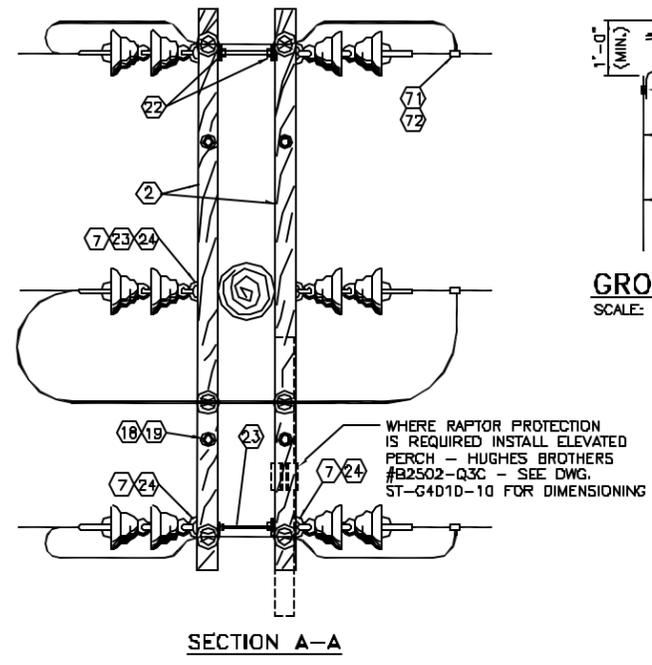


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DOUBLE DEADEND STRUCTURE DETAIL
SCALE: NONE



GROUNDING DETAIL
SCALE: NONE

- GENERAL NOTES:**
- CONSTRUCTION FOR WIRE SIZES #4 SOLID COPPER TO #3/0 ACSR (6/1).
 - GROUND OVERHEAD STATIC AT EVERY POLE (SEE GROUNDING DETAIL). WHERE RAPTOR PROTECTION IS REQUIRED, GROUNDING DOWN CONDUCTOR SHALL BE INSULATED TO 3'-0" BELOW CROSS ARM BRACE.
 - STAPLES ON GROUND WIRE SHALL BE 2'-0" APART EXCEPT FOR A DISTANCE OF 8'-0" ABOVE GROUND AND 8'-0" FROM TOP OF POLE WHERE THEY SHALL BE 6" APART.
 - FOR BILL OF MATERIALS, SEE DWG. ST-G4010-16, SHT. 2 OF 2.
 - EQUIPMENT ITEM NUMBERS ((1)) REFER TO EQUIPMENT NUMBERS IN LANL SUPPORT SERVICES CONTRACTOR'S MASTER BILL OF MATERIALS. ONLY THOSE NUMBERS USED ON THIS DRAWING ARE SHOWN.

WHERE RAPTOR PROTECTION IS REQUIRED INSTALL ELEVATED PERCH - HUGHES BROTHERS #B2502-Q3C - SEE DWG. ST-G4010-10 FOR DIMENSIONING

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SEE PHASE WIRE GUY DETAIL DWG. ST-G4010-33

NOTES FOR DESIGNER:
(DO NOT INCLUDE ON CONSTRUCTION DRAWING)

- COMPLY WITH CURRENT EDITION OF LANL DRAFTING MANUAL FOR CALL-OUTS PROTOCOL AND LOCATION OF SCHEDULES/MATERIAL.
- ASSIGN AN APPROPRIATE DRAWING NUMBER PER CURRENT EDITION OF LANL DRAFTING MANUAL PROTOCOL FOR DETAILS.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

NO	DATE	CLASS	DESCRIPTION	OWN	VER	CHKD	SUB	APP
FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE								
LANL ENGINEERING MANUAL SITE ELECTRICAL DISTRIBUTION STDS.							DRAWN M. BAKER	
DISTRIBUTION DOUBLE DEADEND STRUCTURE DETAIL							DESIGN D. BRYANT	
BLDG. X SUBMITTED							CHECKED J. LANDMAN	DATE 8/30/02
DISCIPLINE POC: DAVID POWELL							APPROVED FOR RELEASE STANDARDS MANAGER TOMMY GRUCH	SHEET 1
							1 of 2	
CLASSIFICATION U			REVIEWER MICHAEL LADACH	DATE 8/30/02				
PROJECT ID CHAPTER 7			DRAWING NO ST-G4010-16		REV 0			